

Name _____

What Happened to the Guy Who Lost the Pie-Eating Contest?



Write the expression in factored form. Find your answer below and cross out the letter pair next to it. For each letter pair that you DON'T cross out, write the upper case letter in the box containing the lower case letter.

$$1. n^2 + 7n + 12$$

$$2. n^2 - 9n + 14$$

$$3. n^2 + 4n - 12$$

$$\text{h} \cdot \text{E} (n - 2)(n + 7)$$

$$\text{s} \cdot \text{O} (n + 3)(n + 4)$$

$$\text{b} \cdot \text{T} (n - 2)(n + 6)$$

$$\text{n} \cdot \text{I} (n - 2)(n - 6)$$

$$\text{q} \cdot \text{V} (n - 2)(n - 7)$$

$$4. w^2 + 13w - 30$$

$$5. w^2 - w - 30$$

$$6. w^2 + 19w + 18$$

$$\text{e} \cdot \text{F} (w + 5)(w - 6)$$

$$\text{j} \cdot \text{R} (w + 1)(w + 18)$$

$$\text{s} \cdot \text{E} (w - 3)(w + 10)$$

$$\text{c} \cdot \text{U} (w - 2)(w + 15)$$

$$\text{b} \cdot \text{H} (w + 3)(w + 6)$$

$$7. p^2 + 5p - 14$$

$$8. p^2 - 21p + 20$$

$$9. p^2 - 8p - 20$$

$$\text{t} \cdot \text{N} (p + 2)(p - 10)$$

$$\text{e} \cdot \text{C} (p - 2)(p + 10)$$

$$\text{p} \cdot \text{L} (p - 2)(p + 7)$$

$$\text{k} \cdot \text{O} (p - 1)(p - 20)$$

$$\text{q} \cdot \text{E} (p - 2)(p - 7)$$

$$10. x^2 + 7xy + 10y^2$$

$$11. x^2 + 4xy - 32y^2$$

$$12. x^2 - 11xy + 10y^2$$

$$\text{j} \cdot \text{I} (x - 2y)(x + 5y)$$

$$\text{g} \cdot \text{S} (x - 4y)(x + 8y)$$

$$\text{t} \cdot \text{D} (x - 2y)(x + 16y)$$

$$\text{f} \cdot \text{H} (x - y)(x - 10y)$$

$$\text{o} \cdot \text{T} (x + 2y)(x + 5y)$$

$$13. u^2 + 3u - 70$$

$$14. u^2 - 33u - 70$$

$$15. u^2 + 14u + 13$$

$$\text{m} \cdot \text{R} (u + 2)(u - 35)$$

$$\text{r} \cdot \text{Y} (u - 7)(u + 10)$$

$$\text{p} \cdot \text{K} (u - 1)(u + 13)$$

$$\text{f} \cdot \text{L} (u + 1)(u + 13)$$

$$\text{c} \cdot \text{E} (u + 7)(u - 10)$$

$$16. c^2 + 16c + 48$$

$$17. c^2 + 2c - 48$$

$$18. c^2 - 19c + 48$$

$$\text{r} \cdot \text{V} (c - 3)(c - 16)$$

$$\text{g} \cdot \text{M} (c - 3)(c + 16)$$

$$\text{o} \cdot \text{E} (c - 6)(c + 8)$$

$$\text{a} \cdot \text{T} (c + 4)(c + 12)$$

$$\text{k} \cdot \text{N} (c + 6)(c - 8)$$

$$19. m^2 + 25m + 100$$

$$20. m^2 - 15m - 100$$

$$21. m^2 + 15m - 100$$

$$\text{u} \cdot \text{E} (m + 5)(m - 20)$$

$$\text{m} \cdot \text{S} (m - 5)(m - 20)$$

$$\text{l} \cdot \text{T} (m + 5)(m + 20)$$

$$\text{d} \cdot \text{R} (m - 5)(m + 20)$$

$$\text{f} \cdot \text{A} (m + 10)(m - 10)$$

$$22. a^2 + 4ab - 21b^2$$

$$23. a^2 + 17ab + 72b^2$$

$$24. a^2 - 18ab - 40b^2$$

$$\text{r} \cdot \text{N} (a - 4b)(a + 10b)$$

$$\text{a} \cdot \text{T} (a - 3b)(a + 7b)$$

$$\text{o} \cdot \text{C} (a - 3b)(a + 20b)$$

$$\text{i} \cdot \text{S} (a + 2b)(a - 20b)$$

$$\text{l} \cdot \text{I} (a + 8b)(a + 9b)$$

Date _____

Block _____



a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t	u
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Why Is It Better to Be Married to a Successful Broadway Producer Than a Plumber?

Write the expression in factored form. Find your answer below the exercise. Then write the letter of the exercise in the box that contains the number of the answer.

E. $a^2 + 6a - 7$

A. $a^2 + 3a - 10$

L. $a^2 - 5a - 6$

U. $a^2 - 2a - 15$

S. $a^2 + 9a - 22$

O. $a^2 + 4a - 12$

H. $a^2 - 23a - 50$

F. $k^2 - 7k - 18$

U. $k^2 + 13k - 30$

A. $k^2 - 5k - 24$

E. $k^2 + 34k - 35$

S. $k^2 - 3k - 28$

L. $k^2 + k - 72$

T. $k^2 - 8k - 65$

B. $x^2 + 8xy - 20y^2$

L. $x^2 - 8xy - 33y^2$

H. $x^2 + 11xy - 80y^2$

A. $x^2 - 9xy - 36y^2$

S. $x^2 + 5xy - 36y^2$

U. $x^2 - 16xy - 36y^2$

F. $x^2 - 36y^2$

Answers

17. $(a - 2)(a + 7)$

5. $(a + 1)(a - 6)$

3. $(a - 5)(a + 10)$

9. $(a - 2)(a + 6)$

15. $(a - 1)(a + 7)$

13. $(a + 1)(a - 10)$

24. $(a + 3)(a - 5)$

20. $(a - 2)(a + 5)$

26. $(a + 2)(a - 25)$

22. $(a - 1)(a + 5)$

18. $(a - 2)(a + 11)$

Answers

25. $(k + 4)(k - 7)$

4. $(k - 3)(k + 10)$

1. $(k + 3)(k - 8)$

14. $(k + 2)(k - 14)$

17. $(k + 5)(k - 13)$

3. $(k + 2)(k - 9)$

12. $(k - 1)(k + 35)$

23. $(k + 3)(k - 6)$

6. $(k - 8)(k + 9)$

10. $(k - 2)(k + 15)$

16. $(k + 5)(k - 7)$

Answers

8. $(x - 5y)(x + 16y)$

19. $(x - 4y)(x + 5y)$

4. $(x + 2y)(x - 18y)$

23. $(x + 3y)(x - 11y)$

21. $(x - 3y)(x + 11y)$

16. $(x + 3y)(x - 12y)$

22. $(x + 6y)(x - 6y)$

14. $(x - 2y)(x + 10y)$

13. $(x + y)(x - 36y)$

11. $(x - 4y)(x + 9y)$

7. $(x + 8y)(x - 10y)$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
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